TRANSLATION PATENT COOPERATION TREATY PCT INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P034527/W0/1	FOR FURTHER ACTION	See Form PCT/IPEA	N/416
International application No.	International filing date (day/m	nonth/year) Priority date (day/ma	onth/year)
PCT/EP2004/009382	21.08.2004	09.06.20	03
International Patent Classification (IPC) or nati	onal classification and IPC	•	
B60T7/22, G01 S13/93	, в60к31/00		
Applicant DATMIEDCHDYCIED AC			
DAIMLERCHRYSLER AG			
1. This report is the international prelimination of the under Article 35 and transmitted to the	-	blished by this International Prelimina 36.	ary Examining Authority
2. This REPORT consists of a total of	5	sheets, including this cover sheet.	
3. This report is also accompanied by A	NNEXES, comprising:		
a. (sent to the applicant and	to the International Bureau) a to	otal of 6	_ sheets, as follows:
1	9	nich have been amended and are the b	-
Instructions).	curreations authorized by this A	uthority (see Rule 70.16 and Section 6	007 of the Administrative
1 1		s Authority considers contain an ame	· ·
Box.	e international application as in	ed, as indicated in item 4 of Box No	. I and the Supplemental
b. (sent to the International	Bureau only) a total of (indicate	type and number of electronic carrier(s))
		containing a seque	ence listing and/or tables
1	· · · · · · · · · · · · · · · · · · ·	ed in the Supplemental Box Relating	
Section 802 of the Administrative Instructions).			
4. This report contains indications relati	ng to the following items:		
Box No. I Basis of the	report		
Box No. II Priority			
Box No. III Non-establi	shment of opinion with regard to	o novelty, inventive step and industrial	applicability
Box No. IV Lack of uni	ty of invention		
DON TIO. V	tatement under Article 35(2) with dexplanations supporting such s	h regard to novelty, inventive step or instatement	ndustrial applicability;
Box No. VI Certain doc	uments cited		
Box No. VII Certain defe	ects in the international applicati	on	
Box No. VIII Certain obs	ervations on the international ap	plication	
Date of submission of the demand	Date of o	completion of this report	
		-	
Name and mailing address of the IPEA/EP	Authoriz	zed officer	
Facsimile No.	Telepho	ne No.	

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Box	No. I		Basis of the report		
1.		_	to the language, this report is based on the internation this item.	onal application in the language in	which it was filed, unless otherwise
		•	port is based on translations from the original languates the language of a translation furnished for the pur		<u> </u>
		i i	nternational search (Rule 12.3 and 23.1(b))		
		р	sublication of the international application (Rule 12.4	4)	
		L in	nternational preliminary examination (Rule 55.2 and	/or 55.3)	
2.	rece	_	to the elements of the international application, this fice in response to an invitation under Article 14 a	-	· · · · · · · · · · · · · · · · · · ·
			ernational application as originally filed/furnished		
		the des	cription:		
		pages	4-11		as originally filed/furnished 14.06.2005 with letter
		pages*	1-3	received by this Authority on	of 20.01.2005
		pages*		received by this Authority on	
	\boxtimes	the clai	ms:		
		nos.			as originally filed/furnished
		nos.*		as amended (togethe	er with any statement) under Article 19
		nos.*	1-13	_ received by this Authority on	14.06.2005 with letter of 20.01.2005
		nos.*		received by this Authority on	
	\boxtimes	the dra	wings:		
		sheets	1/1		as originally filed/furnished
		sheets*		received by this Authority on	
		sheets*		_	
		a seque	ence listing and/or any related table(s) – see Supplen	nental Box Relating to Sequence L	Listing.
3.	Ш	The an	nendments have resulted in the cancellation of:		
		t]	he description, pages		
		L t	he claims, nos.		
		L tl	he drawings, sheets/figs		
		t]	he sequence listing (specify):		
		a	ny table(s) related to sequence listing (specify):		
4.			eport has been established as if (some of) the amendave been considered to go beyond the disclosure as f	-	
			he description, pages		
		t1	he claims, nos.		
			he drawings, sheets/figs		
			he sequence listing (specify):		
			ny table(s) related to sequence listing (specify):		
*	If ite		lies, some or all of those sheets may be marked "sup		

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Вох			ticle 35(2) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-13	YES
		Claims		NO
	Inventive step (IS)	Claims	1-13	YES
		Claims		_ NO
	Industrial applicability (IA)	Claims	1-13	YES
		Claims		NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

- D1: DE 101 49 146 A (BOSCH GMBH ROBERT), 17 April 2003 (2003-04-17)
- D2: EP-A-1 318 491 (BAYERISCHE MOTOREN WERKE AG),
 11 June 2003 (2003-06-11)
- D3: DE 199 34 670 A (BOSCH GMBH ROBERT), 21 December 2000 (2000-12-21)
- D4: WO 03/064215 A (MATSUSHITA ELECTRIC WORKS LTD),
 7 August 2003 (2003-08-07)
- D5: DE 43 33 357 A (BOSCH GMBH ROBERT), 6 April 1995 (1995-04-06)

Document D1, which is considered to be the prior art closest to the subject matter of claim 1, discloses (the references in parentheses are to D1) a device for detecting an instantaneous distance between a motor vehicle (32) and an obstacle (34), comprising distance sensors (16) and a control unit (10), the control unit (10) being designed to calculate a path that will be followed by the motor vehicle (32) using static and dynamic vehicle data, and also being designed to distinguish between relevant obstacles lying within the path and non-relevant obstacles lying outside the path.

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The subject matter of claim 1 differs from what is known from D1 in that each distance sensor (16) has a variable detection area, in that the control unit (10) is designed to adjust the range of the detection areas of the distance sensors (16) to fit lateral boundaries of the path, and in that the distance sensors (16) which have detection areas lying wholly within the path are controlled by the control unit (10) so that they operate with the maximum range.

The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

The problem addressed by the present invention can thus be seen as that of improving the level of obstacle recognition accuracy and thus increasing driving safety.

The solution proposed in claim 1 of the application involves an inventive step (PCT Article 33(3)) because the idea of adjusting the ranges of individual sensors so as to restrict the detection area essentially to the path of the vehicle is not known from D1 or any of the other known prior art documents. Therefore, even applying his own specialist knowledge, a person skilled in the art would not have been able to find anything in D1 that might have led him in an obvious way to what is claimed in claim 1.

Claims 2 to 7 are dependent on claim 1 and therefore also meet the PCT requirements in respect of novelty and inventive step.

The corresponding method claim 8 and its dependent claims

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
(clair	ms 9 to 13) also meet the requirements of PCT Article
33(2)	and (3).
The su	ubject matter of claims 1 to 13 is industrially
applio	cable (PCT Article 33(4)).